

DESCRIPTION

Optical recording medium, recording apparatus
and method for optical recording medium, and
reproducing apparatus and method for optical recording
medium

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filed August 7, 2000.*

Technical Field

The present invention relates to an optical
recording medium suitable when it is applied to an
optical disc such as a compact disc, recording
apparatus and method for the optical recording medium,
and reproducing apparatus and method for the optical
recording medium.

Background Art

A compact disc (hereinafter, abbreviated to
CD) has been spread as an optical disc. In the CD,
audio data is sequentially divided into blocks,
subjected to an encoding of an error correction code,
and after that, and EFM (Eight To Fourteen) modulated,
and a modulation result is recorded by an NRZI (Non
Return to Zero Inverted) modulation.

As a result of the EFM modulation, for a
basic period T serving as a period of a channel clock,
the audio data is recorded onto the disc by a
repetition of pits and a land having nine kinds of
lengths $3T$ to $11T$ in which the basic period T is used
as a unit. In case of a CD, each pit has a length of